

Multibase SILASTIC® Q7-4720 Dow-Corning Biomedical Grade ETR Elastomer

Category : Polymer , Thermoset , Silicone

Material Notes:

Information provided by Multibase

Order this product through the following link:

http://www.lookpolymers.com/polymer_Multibase-SILASTIC-Q7-4720-Dow-Corning-Biomedical-Grade-ETR-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.11 g/cc	1.11 g/cc	as molded- 10 minutes at 116°C

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	22	22	as molded- 10 minutes at 116°C
	46	46	post cured- 2 hours at 177°C
	46	46	post cured- 4 hours at 177°C
	46	46	post cured- 8 hours at 177°C
Tensile Strength, Ultimate	9.108 MPa	1321 psi	post cured- 8 hours at 177°C
	9.287 MPa	1347 psi	as molded- 10 minutes at 116°C
	9.646 MPa	1399 psi	post cured- 4 hours at 177°C
	9.784 MPa	1419 psi	post cured- 2 hours at 177°C
Tensile Strength, Yield	0.400 MPa	58.0 psi	at 200%, as molded- 10 minutes at 116°C
	1.43 MPa	207 psi	200%, post cured- 4 hours at 177°C
	1.48 MPa	215 psi	200%, post cured- 8 hours at 177°C
	1.53 MPa	222 psi	at 200%, post cured- 2 hours at 177°C
Elongation at Break	742 %	742 %	post cured- 8 hours at 177°C
	767 %	767 %	post cured- 2 hours at 177°C
	771 %	771 %	post cured- 4 hours at 177°C
	1283 %	1283 %	as molded- 10 minutes at 116°C
Tear Strength	29.5 kN/m	168 pli	post cured- 4 hours at 177°C; Die B
	30.7 kN/m	175 pli	post cured- 2 hours at 177°C; Die B
	32.3 kN/m	184 pli	as molded- 10 minutes at 116°C; Die B

Mechanical Properties	Metric 33.8 kN/m	English 193 psi	Comments post cured- 8 hours at 177°C; Die B
Compression Set	25.6 %	25.6 %	22 hours at 177°C, post cured- 8 hours at 177°C
	30.1 %	30.1 %	22 hours at 177°C, as molded- 10 minutes at 116°C
	33.6 %	33.6 %	22 hours at 177°C, post cured- 2 hours at 177°C
	41.1 %	41.1 %	22 hours at 177°C, post cured- 4 hours at 177°C

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